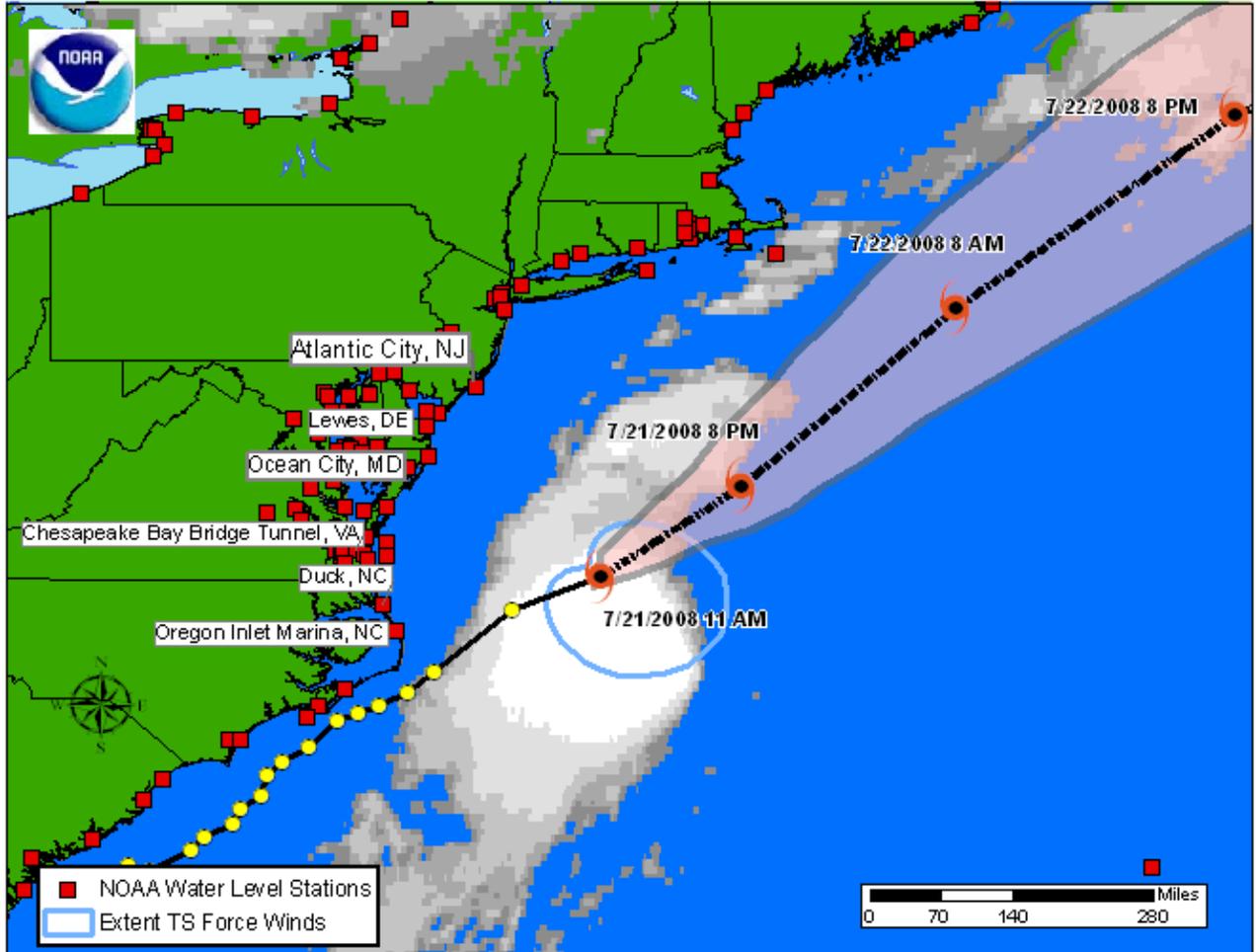




Tropical Storm CRISTOBAL QuickLook
Posted: 14:30 EDT 07/21/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 07/21/2008 14:00 EDT, water levels from North Carolina to New Jersey remain slightly above or at predicted levels. Barometric pressure has leveled or rising from North Carolina to Delaware.

The next QuickLook will be issued at 12:00 EDT on July 22, 2008 unless there is a significant change in storm conditions.

Water Level and Meteorological plots available below are updated automatically. Water level

predictions relative to Mean Lower Low Water are:

Oregon Inlet, NC: Next predicted high tide is 1.2 ft (0.4 m) on 07/21/2008 at 22:45 EDT.

Duck, NC: Next predicted high tide is 3.6 ft (1.1 m) on 07/21/2008 at 22:23 EDT.

CBBT, VA: Next predicted high tide is 2.8 ft (0.9 m) on 07/21/2008 at 23:11 EDT.

Ocean City, MD: Next predicted high tide is 2.6 ft (0.8 m) on 07/21/2008 at 23:08 EDT.

Lewes, DE: Next predicted high tide is 2.7 ft (0.8 m) on 07/21/2008 at 23:43 EDT.

Atlantic City, NJ: Next predicted high tide is 4.7 ft (1.4 m) on 07/21/2008 at 22:21 EDT.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: TB, KG

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

**TROPICAL STORM CRISTOBAL ADVISORY NUMBER 11
NWS TPC/NATIONAL HURRICANE CENTER MIAMI FL 1100 AM EDT MON JUL 21 2008**

...CRISTOBAL STRENGTHENS AS IT MOVES AWAY FROM THE EAST COAST...

AT 1100 AM EDT THE CENTER OF TROPICAL STORM CRISTOBAL WAS LOCATED ABOUT 190 MILES EAST-NORTHEAST OF CAPE HATTERAS NORTH CAROLINA AND ABOUT 725 MILES SOUTHWEST OF HALIFAX NOVA SCOTIA.

CRISTOBAL IS MOVING TOWARD THE NORTHEAST NEAR 13 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT COUPLE OF DAYS WITH AN INCREASE IN FORWARD SPEED.

MAXIMUM SUSTAINED WINDS ARE NEAR 65 MPH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 24 HOURS AND CRISTOBAL SHOULD START TO LOSE TROPICAL CHARACTERISTICS LATE ON TUESDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 125 MILES FROM THE CENTER.

MINIMUM CENTRAL PRESSURE...1000 MB.

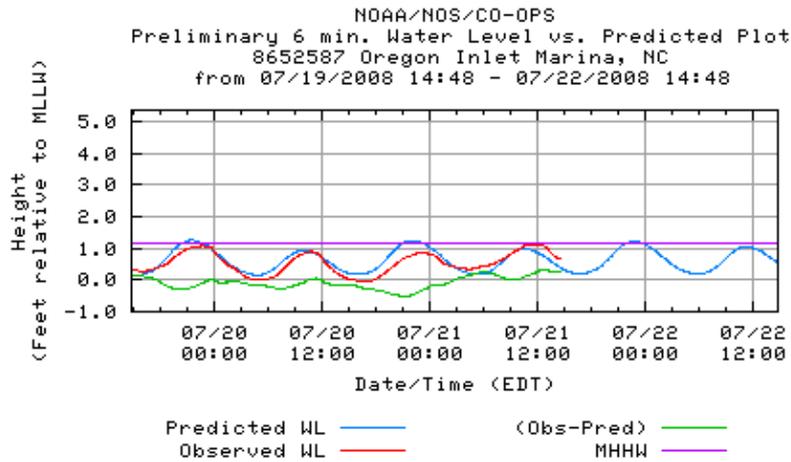
THE NEXT ADVISORY WILL BE ISSUED BY THE NATIONAL HURRICANE CENTER AT 500 PM EDT.

FORECASTER BLAKE

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

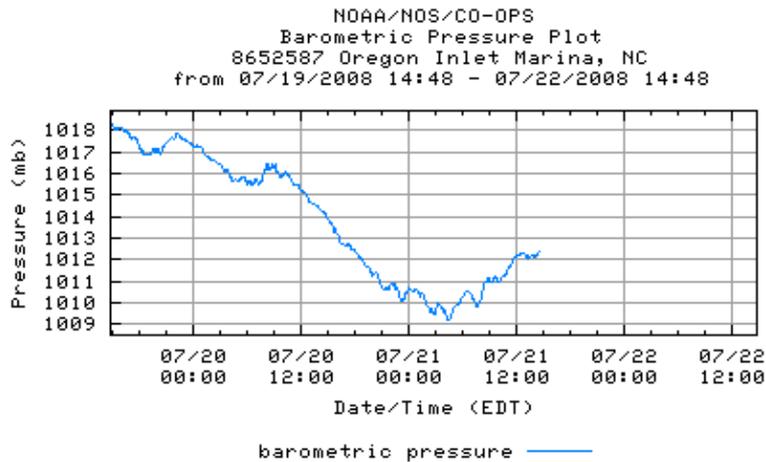
Jump to: [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Duck - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Lewes - Barometric](#), [Atlantic City - Water Level](#),

Oregon Inlet Marina, NC - Station Map [Return to List](#)



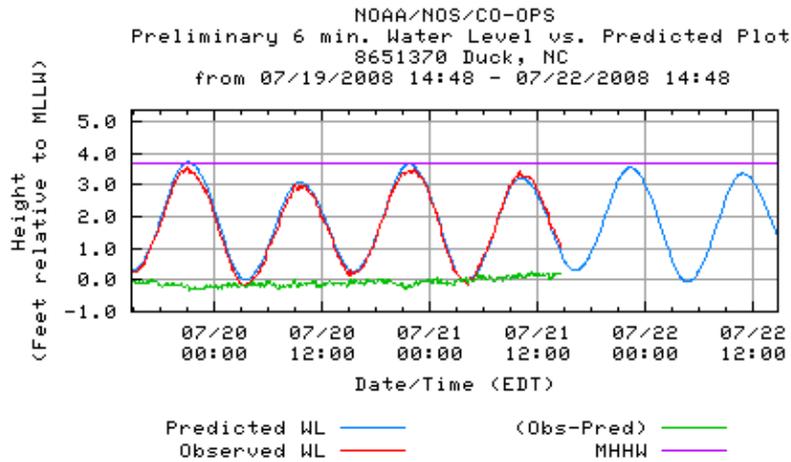
Last Observed Sample: 07/21/2008 14:36 (EDT)
 Relative to **MLLW**: **Observed: 0.65 ft. Predicted: 0.39 ft. Residual: 0.26 ft.**
 Historical Maximum Water Level: 09/16/1999, 4.49 ft. above **MHHW**

Oregon Inlet Marina, NC - Station Map [Return to List](#)



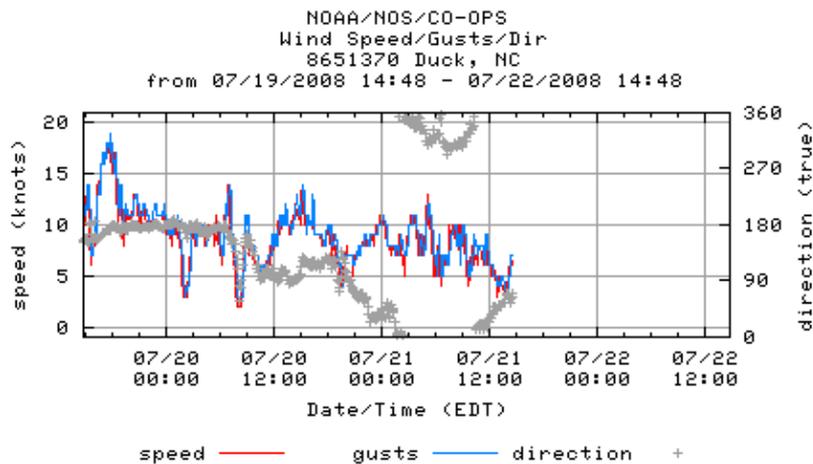
Last Observed Sample: 07/21/2008 14:36 (EDT)
Barometric Pressure: 1012.4 mb

Duck, NC - Station Map [Return to List](#)



Last Observed Sample: 07/21/2008 14:36 (EDT)
 Relative to **MLLW**: **Observed: 1.06 ft. Predicted: 0.87 ft. Residual: 0.19 ft.**
 Historical Maximum Water Level: 08/30/1999, 3.23 ft. above **MHHW**

Duck, NC - Station Map [Return to List](#)



Last Observed Sample: 07/21/2008 14:36 (EDT)
Wind Speed: 6 knots Gusts: 7 knots Direction: 070° T

Duck, NC - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8651370 Duck, NC
 from 07/19/2008 14:48 - 07/22/2008 14:48



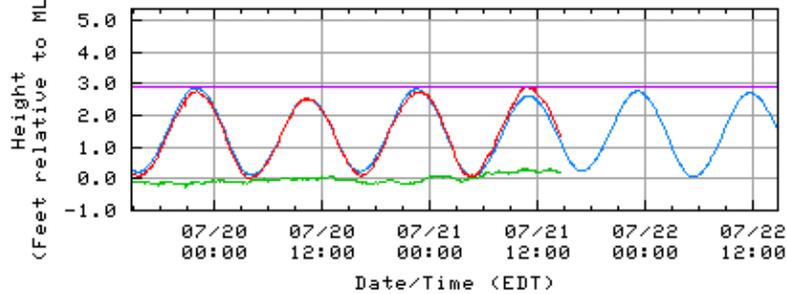
barometric pressure —

Last Observed Sample: 07/21/2008 14:36 (EDT)

Barometric Pressure: 1011.5 mb

Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8638863 Chesapeake Bay Bridge Tunnel, VA
 from 07/19/2008 14:48 - 07/22/2008 14:48



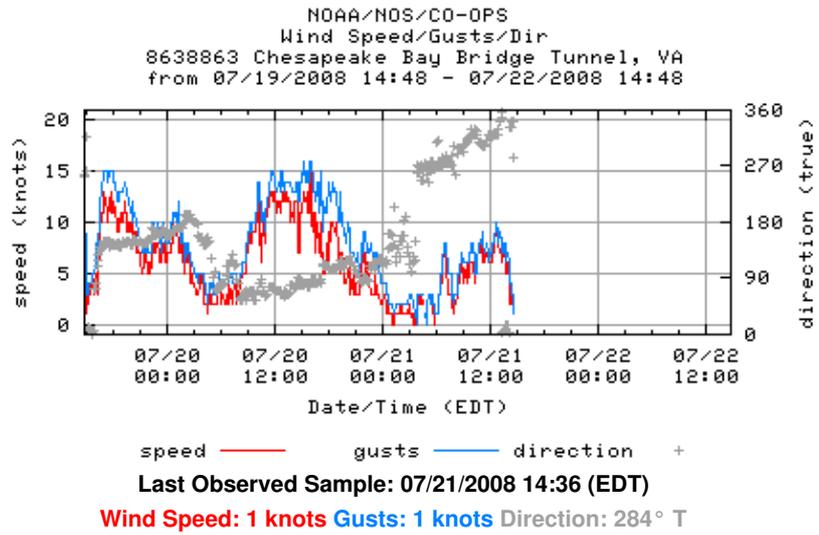
Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 07/21/2008 14:36 (EDT)

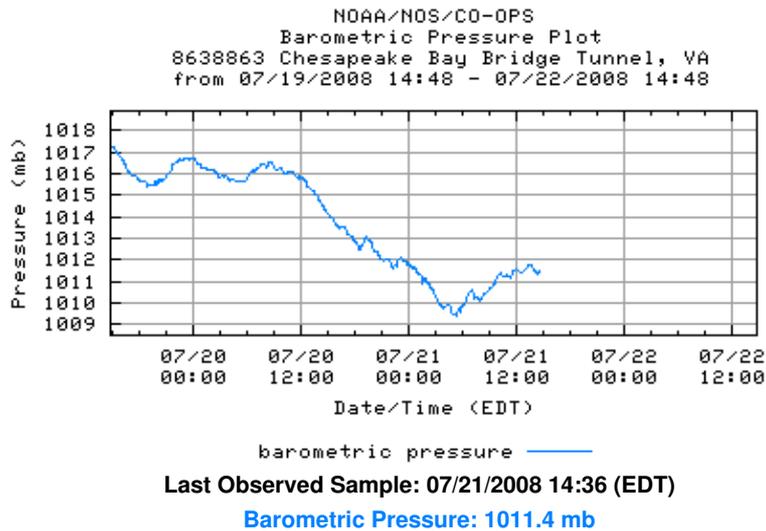
Relative to **MLLW**: Observed: 1.33 ft. Predicted: 1.14 ft. Residual: 0.19 ft.

Historical Maximum Water Level: 02/05/1998, 3.68 ft. above **MHHW**

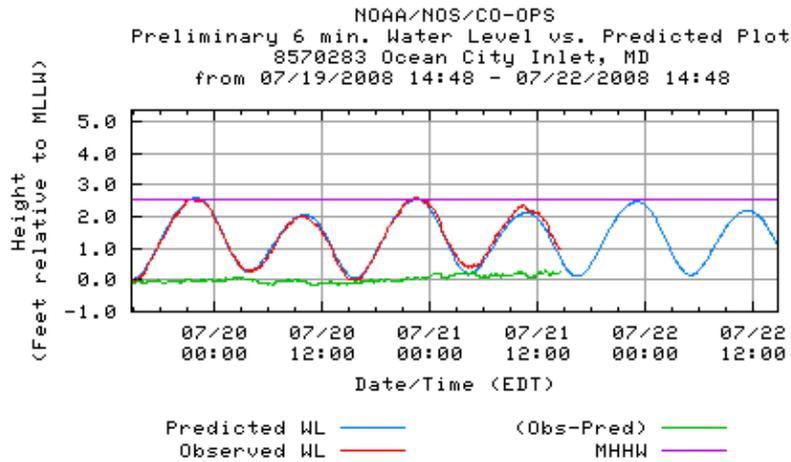
Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)



Chesapeake Bay Bridge Tunnel, VA - Station Map [Return to List](#)

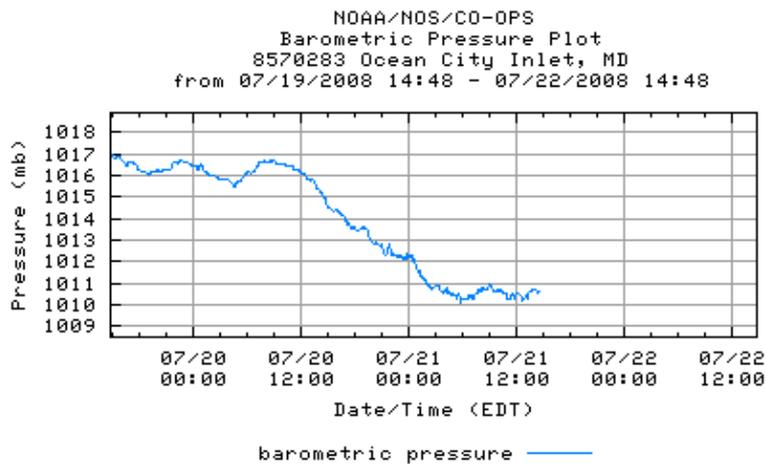


Ocean City Inlet, MD - Station Map [Return to List](#)



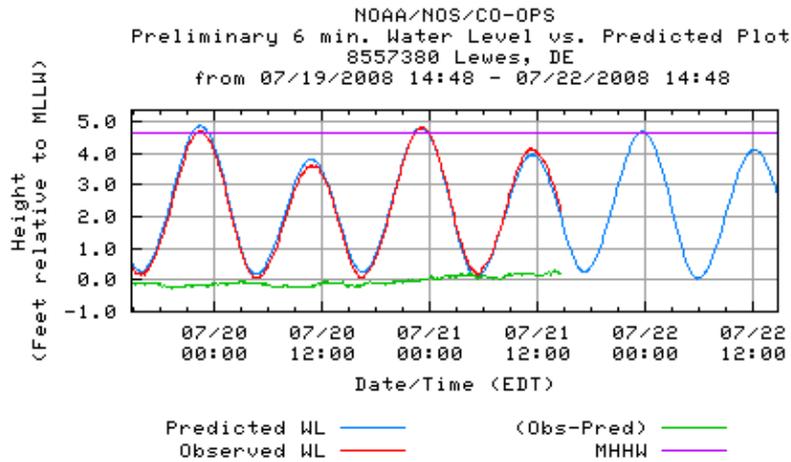
Last Observed Sample: 07/21/2008 14:30 (EDT)
 Relative to **MLLW**: **Observed: 0.96 ft. Predicted: 0.72 ft. Residual: 0.24 ft.**
 Historical Maximum Water Level: 02/05/1998, 3.57 ft. above **MHHW**

Ocean City Inlet, MD - Station Map [Return to List](#)



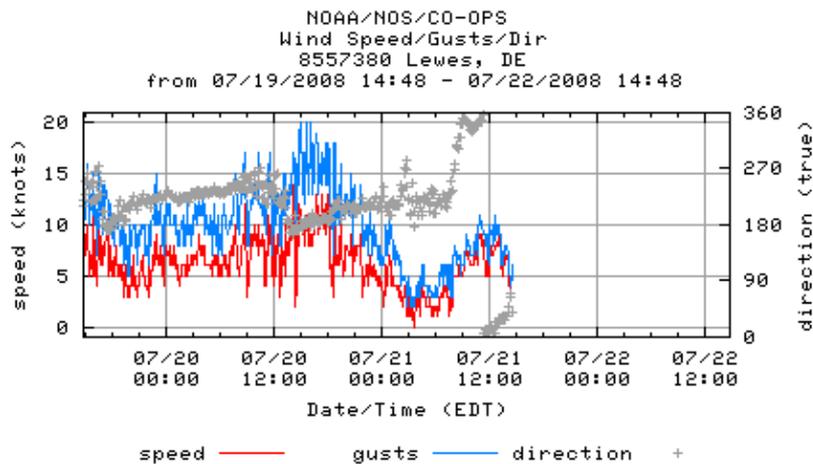
Last Observed Sample: 07/21/2008 14:30 (EDT)
Barometric Pressure: 1010.6 mb

Lewes, DE - Station Map [Return to List](#)



Last Observed Sample: 07/21/2008 14:36 (EDT)
 Relative to **MLLW**: **Observed: 2.16 ft. Predicted: 1.99 ft. Residual: 0.17 ft.**
 Historical Maximum Water Level: 03/06/1962, 4.57 ft. above **MHHW**

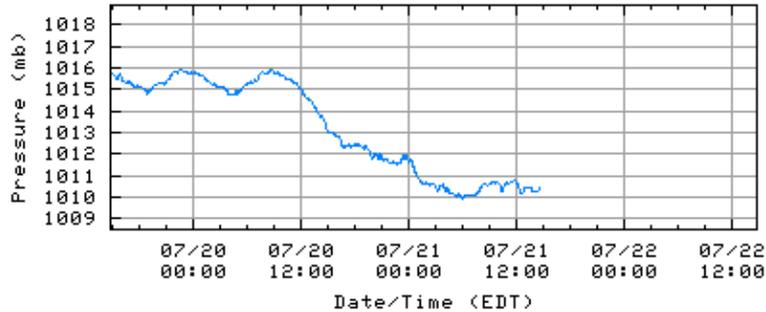
Lewes, DE - Station Map [Return to List](#)



Last Observed Sample: 07/21/2008 14:36 (EDT)
Wind Speed: 6 knots Gusts: 6 knots Direction: 039° T

Lewes, DE - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Barometric Pressure Plot
 8557380 Lewes, DE
 from 07/19/2008 14:48 - 07/22/2008 14:48



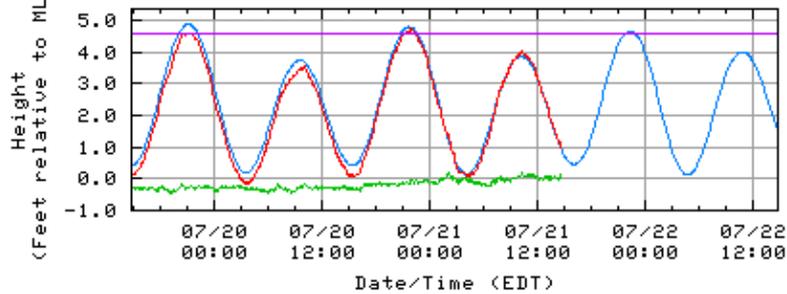
barometric pressure —

Last Observed Sample: 07/21/2008 14:36 (EDT)

Barometric Pressure: 1010.4 mb

Atlantic City, NJ - Station Map [Return to List](#)

NOAA/NOS/CO-OPS
 Preliminary 6 min. Water Level vs. Predicted Plot
 8534720 Atlantic City, NJ
 from 07/19/2008 14:48 - 07/22/2008 14:48



Predicted WL — (Obs-Pred) —
 Observed WL — MHHW —

Last Observed Sample: 07/21/2008 14:36 (EDT)

Relative to **MLLW**: Observed: 1.00 ft. Predicted: 0.98 ft. Residual: 0.02 ft.

Historical Maximum Water Level: 12/11/1992, 4.38 ft. above **MHHW**

Tropical Storm CRISTOBAL QuickLook, POSTED 14:30 EDT 07/21/2008

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce